



## Pall-Aquasafe™ Water Filter



### ***In-Line Disposable Water Filter with Quick Connect Inlet and Outlet Ports (Reorder Code: AQINA) – 31 Day Use***

#### **Features**

Barrier against waterborne contaminants including *Legionella* spp. and *Pseudomonas* spp.<sup>1</sup>

Validated double layer sterilizing grade filtration with integral pre-filter

Enhanced bacteriostatic efficiency of 99.99 % for *Pseudomonas aeruginosa*

Quick connectors on inlet and outlet ports

Fully recyclable materials

Compatible with common systemic heat and chemical disinfection

#### **Benefits**

Reduces exposure to waterborne contaminants

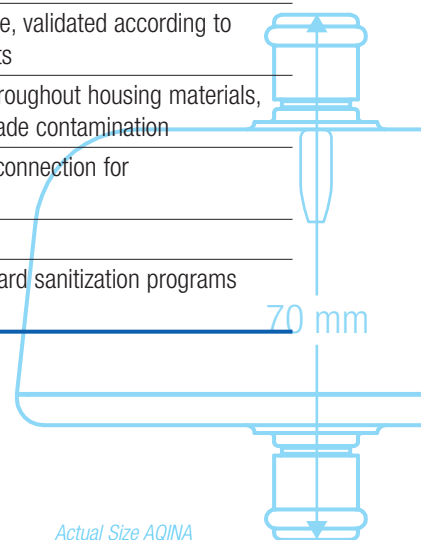
Documented performance, validated according to international requirements

Bacteriostatic additive throughout housing materials, minimizes risk of retrograde contamination

Easy connection and disconnection for change-out logistics

Environmentally friendly

Complementary to standard sanitization programs



Actual Size AQINA

## Background

The Pall-Aquasafe In-Line Disposable Water Filter with Quick Connect Inlet and Outlet Ports (AQINA) provides filtered water suitable for washing and drinking\*, superficial wound cleansing, cleaning of equipment used in medical procedures and washing of surgeon's hands for up to 31 day use. The double layer sterilizing grade Supor® membrane is rated and validated at 0.2 µm<sup>2-4</sup>, and may aid in infection control by acting as a barrier to waterborne particulates and pathogens.

To minimize the risk of retrograde contamination, the filter housing material utilizes silver technology as an enhanced, non-leaching bacteriostatic additive.



► In-line applications such as cleaning of equipment



► Water for ice production

\*Where local practices allow.

## Ordering Information

Reorder Code	Description	Packaging
AQINA	In-Line Disposable Water Filter with Quick Connect Inlet and Outlet Ports 510(k) Cleared Device	12 units per case

### Quick Connect Adaptors

TAP1/2MV	½ inch, male thread, valved	1 unit
TAP1/2FV	½ inch, female thread, valved	1 unit

## Technical Data

Pall-Aquasafe In-Line Disposable Water Filter (AQINA)	510(k) Cleared Device
Membrane area	Approx 85.3 in <sup>2</sup> (550 cm <sup>2</sup> )
Membrane rating	Sterilizing grade** membrane <sup>2-4</sup> 0.2 µm Supor with integrated pre-filtration layer (approx 1.0 µm)
Length (including inlet and outlet)	2.8 in. nominal
Maximum upstream operating pressure and temperature	75 psi @ 140 °F
Normal upstream operating pressure	30 – 60 psi
Maximum lifetime	31 days
Maximum continuous influent water temperature	140 °F
Maximum temperature exposure	158 °F at 75 psi for a total cumulative period of 30 mins over the life of the filter
Approximate water flow rate	0.9 gal/min at 15 psi 2.1 gal/min at 45 psi 3.4 gal/min at 75 psi

AQINA is compatible with up to 1.0 mg/L ClO<sub>2</sub> (1 ppm) for use over the indicated life, solutions of 100 ppm active chlorine or pH 12.82 for one hour at ambient temperature (68 °F ± 41 °F) and chemical treatments utilizing 1000 ppm peracetic acid at 140 °F for two hours.

\*\* Pall-Aquasafe Water Filters are not to be used for producing water for infusion or injection, or substitute USP grade sterile water.

## Reference

- 1 Pall-Aquasafe Water Filter In-Line Disposable Water Filter Validation Guide GN15.9608
- 2 American Standard Test Method (ASTM) F838-05. "Determining Bacterial Retention of Membrane Filters Utilised for Liquid Filtration".
- 3 Health Industry Manufacturers Association (HIMA) Document No.3, Vol. 4. Microbiological evaluation of filters for sterilizing liquids.
- 4 FDA, "Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing – Current Good Manufacturing Practice", September 2004, <http://www.fda.gov/downloads/Drugs/.../Guidances/ucm070342.pdf>



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